

U.S. Department of Commerce, Patent and Trademark Office					Atty Docket No.		Serial No.	
					M-8577-3D US		Unassigned	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT					Applicant(s)			
(Use several sheets if necessary)					Michael Klug et al			
					Filing Date		Group	
					Herewith		Unknown	

U.S. Patent Documents							
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
CNC	AA	3,658,402	Apr. 25, 1972	Nishida et al.	350	3.5	
CNC	AB	3,758,186	Sep. 11, 1973	Brumm	350	3.5	
CNC	AC	3,832,027	Aug. 27, 1974	King	350	3.5	
CNC	AD	4,043,653	Aug. 23, 1977	Croce et al.	355	2	
CNC	AE	4,067,638	Jan. 10, 1978	Yano et al.	350	3.5	
CNC	AF	4,206,965	Jun. 10, 1980	McGrew	350	3.76	
CNC	AG	4,353,616	Oct. 12, 1982	Leclerc et al.	350	3.75	
CNC	AH	4,364,627	Dec. 21, 1982	Haines	350	3.76	
CNC	AI	4,411,489	Oct. 25, 1983	McGrew	350	3.76	
CNC	AJ	4,416,540	Nov. 22, 1983	Nicholson	350	3.69	
CNC	AK	4,445,749	May 1, 1984	Benton	350	376	

Foreign Patent Documents							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
CNC	AL	JP1020747	Jan. 23, 1998	JP				✓
CNC	AM	JP1020752	Jan. 23, 1998	JP				✓
CNC	AN	JP1020754	Jan. 23, 1998	JP				✓
CNC	AO	JP1020755	Jan. 23, 1998	JP				✓
CNC	AP	GB2214651A	Sep. 6, 1989	GB				✓

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
CNC	AQ	William W. Halle and Adam B. Kropp, "Fast Computer Graphics Rendering For Full Parallax Spatial Displays," <i>Practical Holography XI</i> , Proc. SPIE, Vol. 3011, February 10-11, 1997, pp. 105-112.
CNC	AR	Douglas F. Tipton, "New Hologram Replicator For Volume Holograms And Holographic Optical Elements," <i>IS&T/SPIE Symposium on Electronic Imaging: Science and Technology</i> , January 1998.
CNC	AS	International Search Report, dated October 27, 1999, for PCT/US99/13919.

Examiner	Craig H. Curtis	Date Considered	27 June 2002
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(Use several sheets if necessary)					Michel Klug et al.			
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					Herewith		Unknown	
U.S. Patent Documents								
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
CHC	AA	4,498,740	Feb. 12, 1985	Caulfield	350	3.66		
CHC	AB	4,715,694	Dec. 29, 1987	Eitel	350	486		
CHC	AC	4,778,262	Oct. 18, 1988	Haines	350	3.66		
CHC	AD	4,834,476	May 30, 1989	Benton	350	3.76		
CHC	AE	4,895,419	Jan. 23, 1990	Doyle et al.	350	3.69		
CHC	AF	4,915,464	Apr. 10, 1990	Hopwood	350	3.69		
CHC	AG	4,944,580	July 31, 1990	MacDonald et al.	350	611		
CHC	AH	4,969,700	Nov. 13, 1990	Haines	350	3.66		
CHC	AI	4,995,685	Feb. 26, 1991	Armstrong	350	3.65		
CHC	AJ	5,138,471	Aug. 11, 1992	McGrew	359	21		
CHC	AK	5,191,449	Mar. 2, 1993	Newswanger	359	22		
Foreign Patent Documents								
							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
CHC	AL	JP10020756	Jan. 23, 1998	Japan				✓
CHC	AM	JP10026924	Jan. 27, 1998	Japan				✓
	AN							
	AO							
	AP							
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
CHC	AQ	Copen ding U.S. Patent Application Serial No. 09/195,137 entitled <i>Method and Apparatus for Replicating a Hologram Using A Steerable Beam.</i>						
CHC	AR	Copen ding U.S. Patent Application Serial No. 09/019,449 entitled <i>Segmented Display System for Large, Continuous Autostereoscopic Images.</i>						
CHC	AS	Copen ding U.S. Patent Application Serial No. 09/151,330 entitled <i>System and Method for Hologram Illumination.</i>						
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CNC	AA	5,194,971	Mar. 16, 1993	Haines	359	9	
CNE	AB	5,237,433	Aug. 17, 1993	Haines et al.	359	9	
CNE	AC	5,486,933	Jan. 23, 1996	Shindo et al.	359	2	
CNC	AD	5,499,118	Mar. 12, 1996	Wreede et al.	359	12	
CNE	AE	5,504,593	Apr. 2, 1996	Hotta et al.	359	1	
CNE	AF	5,543,251	Aug. 1996	Taylor	430	1	
CNC	AG	5,570,208	Oct. 29, 1996	Kato et al.	359	23	
CNE	AH	5,574,579	Nov. 1996	Molteni et al.	359	23	
CNC	AI	5,644,414	Jul. 1, 1997	Kateo et al.	359	22	
CNC	AJ	5,687,012	Nov. 11, 1997	Kang et al.	359	2	
CNE	AK	5,724,161	May 3, 1998	Smith et al.	359	13	

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	AL							
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	AO							
	AP							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

CNC	AQ	Edhouse, "Lasers Used to Produce Large Format Holograms," In: <i>Lasers-Current Trends</i> , by Simon Edhouse, Holography Marketplace, Sixth Ed., Chapter 4, pps. 63-68, 1997.
CNC	AR	K. Okada, T. Honda and J. Tsujiuchi, "A Method of Distortion Compensation of Multiplex Holograms," <i>Optics Communications</i> , Vol. 48, No. 3, 12/83.
CNC	AS	Michael W. Halle, Stephen A. Benton, Michael A. Klug, John S. Underkoffler, "The Ultragram: A Generalized Holographic Stereogram," to appear in <i>Practical Holography V</i> , SPIE, 1991.

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CNC	AA	5,734,485	Mar. 31, 1998	Buchkremer et al.	359	25		
CNC	AB	5,825,540	Oct. 20, 1998	Gold et al.	359	23		
	AC							
	AD							
	AE							
	AF							
	AG							
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	AP							
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
CNC	AQ	Michael A. Klug, Michael W. Halle, Mark Lucente, Wendy J. Plesniak, "A Compact Prototype One-Step Ultragram Printer," to appear in <i>Practical Holography</i> , VII: Imaging and Materials, SPIE, 1993.						
CNC	AR	M. Yamaguchi, H. Endoh, T. Honda, H. Ohyama, "High-Quality Recording of a Full-Parallax Holographic Stereogram With A Digital Diffuser," <i>Optics Letters</i> , Vol. 19, pp. 135-137.						
CNC	AS	M. Yamaguchi, T. Koyama, H. Endoh, N. Ohyama, S. Takahashi and F. Iwata, "Development of a Prototype Full-Parallax Holoprinter."						
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	AH							
	AI							
	AJ							
	AK							
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	AL							
	AM							
	AN							
	AO							
	AP							
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
CXC	AQ	"Scanning Lens Theory," <i>Special Optics</i> , 36-37.						
CXC	AR	"Laser Scan System," Melles Griot Catalog, 18, 2-6.						
CXC	AS	Michael A. Klug, Arno Klein, Wendy Plesniak, Adam Kropp and Benjie Chen, "Optics for Full-Parallax Holographic Stereograms" to appear in <i>Practical Holography XI</i> , SPIE, 1997.						
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						Filing Date		Group <u>2872</u>	
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U.S. Patent Documents									
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	AB								
	AC								
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	AF								
	AG								
	AH								
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							Yes	No	
	AL								
	AM								
	AN								
	AO								
	AP								
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)									
<u>CHE</u>	AQ	Michael A. Klug, Michael W. Halle, Paul M. Hubel, "Full Color Ultragrams" to appear in <i>Practical Holography</i> , VI, SPIE, 1992.							
	AR								
	AS								
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